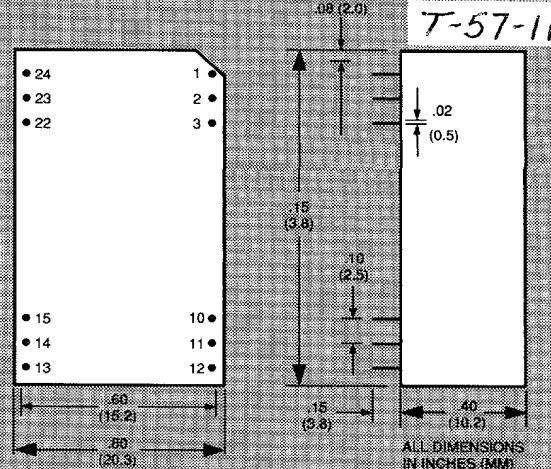


SERIES Q

- MICROMINIATURE
- 1.2 TO 2 WATTS
- REGULATED
- 24 PIN DIP
- UP TO 48 VOLTS IN
- ISOLATION < 20 PH
- 150 KHZ SWITCHING
- CURRENT AND THERMAL LIMITING
- ECONOMICAL



PIN	SINGLE OUTPUT	DUAL OUTPUT
1	+ V INPUT	+ V INPUT
2	NC*	-V OUTPUT
3	NC*	COMMON
10	-V OUTPUT	COMMON
11	+V OUTPUT	+V OUTPUT
12	-V INPUT	-V INPUT
13	-V INPUT	-V INPUT
14	+V OUTPUT	+V OUTPUT
15	-V OUTPUT	COMMON
22	NC*	COMMON
23	NC*	-V OUTPUT
24	+V INPUT	+V INPUT

* No Connection Single Output Models

ELECTRICAL SPECIFICATIONS

Regulation for Line..... $\pm 0.3\%$
 Regulation for Load..... $\pm 0.4\%$
 Output Voltage Accuracy..... $\pm 5\%$
 Output Ripple & Noise..... 20mV p-p
 (10 mfd tantalum across each output).....
 Short Circuit Protection..... Continuous
 5V Input Models..... 4.5 VDC to 5.5 VDC
 12V Input Models..... 10.8 VDC to 13.2 VDC

Efficiency..... 50% Typ.
 Switching Frequency..... 150 KHz Typ.
 Reflected Ripple..... 30 mA Typ.
 Isolation
 Voltage..... 300 VDC min.
 Capacitance..... 20 pF Typ.
 Resistance..... 1×10^8 Ohms min.
 Operating Temp. -25°C to +71°C
 Storage Temp. -40°C to +125°C

INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	INPUT CURRENT		MODEL NO.
			NO LOAD	FULL LOAD	
5 VDC	5 VDC	100mA	65mA	260mA	QR5S5
	12 VDC	80mA	90mA	380mA	QR5S12
	15 VDC	65mA	90mA	380mA	QR5S15
	± 12 VDC	40mA	90mA	380mA	QR5D12
	± 15 VDC	33mA	90mA	380mA	QR5D15
12 VDC	5 VDC	100mA	20mA	100mA	QR12S5
	12 VDC	80mA	28mA	145mA	QR12S12
	15 VDC	65mA	28mA	145mA	QR12S15
	± 12 VDC	40mA	28mA	145mA	QR12D12
	± 15 VDC	33mA	28mA	145mA	QR12D15

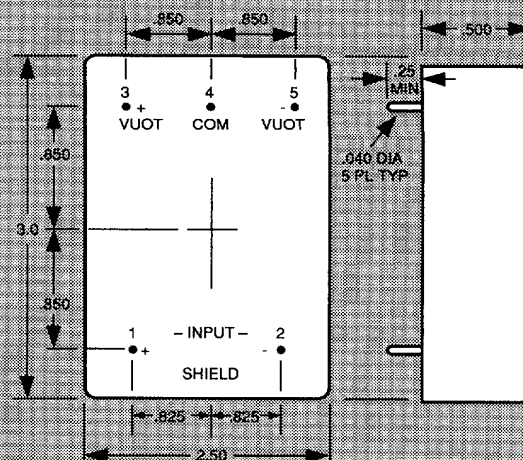
F.O.B. FACTORY
NET 30 DAYS

SERIES U

- 7.5 WATT
- LOW PROFILE
- HIGH ISOLATION
- LOW NOISE OUT
- > 100 KHZ SWITCHING
- CURRENT LIMITED
- LOGIC SHUTDOWN OPTION
- 6 SIDED SHIELDED CASE



T-57-11



	SINGLE	DUAL
1	+VIN	+VIN
2	-VIN	-VIN
3	NC	+VO
4	+VO	COM
5	-VO	-VO
6	SHIELD	-

ELECTRICAL SPECIFICATIONS

REGULATION

Line	.02%
Load Single Outputs	.05%
Dual Outputs	.02%

OUTPUT SPECIFICATIONS

Voltage Accuracy	1%
Ripple & Noise Single Outputs	20 mV, RMS, 50 mV PK/PK max.
Dual Outputs	11 mV, RMS, 35 mV PK/PK max.
Short Circuit Protection	Continuous

SINGLE OUTPUT

OUTPUT VOLTAGE	INPUT CURRENT	% EFF	INPUT VOLTAGE MODEL NUMBER				
			5 VDC	12 VDC	15 VDC	24 VDC	48 VDC
5 VDC	40 mA	70	U5SB5/1.5	U12SB5/1.5	U15SB5/1.5	U24SB5/1.5	U48SB5/1.5
6 VDC	40 mA	70	U5SB6/1.2	U12SB6/1.2	U15SB6/1.2	U24SB6/1.2	U48SB6/1.2
12 VDC	40 mA	70	U5SB12/6	U12SB12/6	U15SB12/6	U24SB12/6	U48SB12/6
15 VDC	40 mA	70	U5SB15/5	U12SB15/5	U15SB15/5	U24SB15/5	U48SB15/5
24 VDC	40 mA	70	U5SB24/3	U12SB24/3	U15SB24/3	U24SB24/3	U48SB24/3

DUAL OUTPUTS

OUTPUT VOLTAGE	INPUT CURRENT	% EFF	5 VDC	12 VDC	15 VDC	24 VDC	48 VDC
5 VDC	40 mA	70	U5SB5/1.5	U12SB5/1.5	U15SB5/1.5	U24SB5/1.5	U48SB5/1.5
6 VDC	40 mA	70	U5SB6/1.2	U12SB6/1.2	U15SB6/1.2	U24SB6/1.2	U48SB6/1.2
12 VDC	40 mA	70	U5SB12/6	U12SB12/6	U15SB12/6	U24SB12/6	U48SB12/6
15 VDC	40 mA	70	U5SB15/5	U12SB15/5	U15SB15/5	U24SB15/5	U48SB15/5
24 VDC	40 mA	70	U5SB24/3	U12SB24/3	U15SB24/3	U24SB24/3	U48SB24/3

F.O.B. FACTORY
NET 30 DAYS